

Results of Analyses
Wastewater Spill Monitoring –
Beachwalk SPS Spill (Shoreline Stations)
May 16, 2006

Samples collected Monday, May 15, 2006 (53nd day):
Spill reported on March 24, 2006.
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform^{iv}</u>	<u>Enterococci^v</u>	<u>C. perfringens^{vi}</u>	
Magic Island Finger	6:34 A.M.	51	37	4	31.0
Ala Moana Canoe Launch Ramp	6:29 A.M.	80	50	8	26.8
Magic Island Lagoon	6:38 A.M.	4	1	< 1	34.1
Ala Wai Harbor Boat Launch Ramp	6:46 A.M.	440	230	20	26.0
Hilton Lagoon	6:50 A.M.	4	1	1	33.7
Hale Koa Hotel	7:00 A.M.	14	5	1	34.1
Halekulani-Sheraton	7:17 A.M.	8	2	< 1	34.1
Moana Hotel	7:26 A.M.	1	1	1	34.1
Kapahulu Groin	7:36 A.M.	17	15	1	33.2
Queen's Surf Beach	7:42 A.M.	< 1	< 1	< 1	34.2
Natatorium	7:47 A.M.	1	1	2	34.2

Weather: Mostly cloudy.

Results of Analyses

Wastewater Spill Monitoring – Beachwalk SPS Spill

May 16, 2006

Samples collected Monday, May 15, 2006 (53rd day):

Spill reported on March 24, 2006.

NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform</u> ⁴	<u>Enterococci</u> ⁵	<u>C. perfringens</u> ⁶	
Date St.Bridge- Upstream	8:00 A.M.	3,900	5,100	Est. 240	< 0.1
Seaside Ave.- Upstream	8:10 A.M.	200	60	44	26.8
Kaiolu St.-Spill site	8:13 A.M.	2,600	2,600	Est. 480	8.8
McCully St. Bridge.	8:17 A.M.	1,300	1,200	110	11.2
Ala Moana Blvd. Bridge	8:22 A.M.	Est. 610	470	64	23.0

Weather: Sunny.

⁴ APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, Membrane Filter Method for Fecal Coliform.

⁵ Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

⁶ Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.